

## II. CLAIMS

1. [Currently Amended] ~~The use of A method for the immunostimulation of a non-mammalian vertebrate, wherein a therapeutically effective amount of a composition of matter comprising the substantially immunoglobulin free, peptide containing portion of the blood of a mammal which passes through a dialysis membrane having a molecular weight cut-off of no greater than 60,000 daltons to stimulate the disease fighting systems of a non-mammalian vertebrate comprising administering a therapeutically effective amount of such composition is administered~~ to the non-mammalian vertebrate.
2. [Currently Amended] The ~~use of the composition of matter~~ method of claim 1 wherein the membrane has a molecular weight cut-off of no greater than 25,000 daltons.
3. [Currently Amended] The ~~use of the composition of matter~~ method of claim 1 wherein the membrane has a molecular weight cut-off of no greater than 8,000 daltons.
4. [Currently Amended] The ~~use of the composition of matter~~ method of claim 1 wherein the non-mammalian vertebrate is a reptile, fish, bird or amphibian.
5. [Cancelled]
6. [Currently Amended] The ~~use of the composition~~ method of claim 1 wherein the non-mammalian vertebrate is a bird.
7. [Currently Amended] The ~~use of the composition~~ method of claim 1 wherein the bird is a chicken or turkey.

8. [Currently Amended] The ~~use of the composition~~ method of matter of claim 1 to stimulate the disease fighting systems of a bird against a challenge by *Pasteurella multocida* or *Salmonella typhimurium*.
9. [Currently Amended] The ~~use of the composition of matter~~ method of claim 1 wherein the non-mammalian vertebrate is a fish.